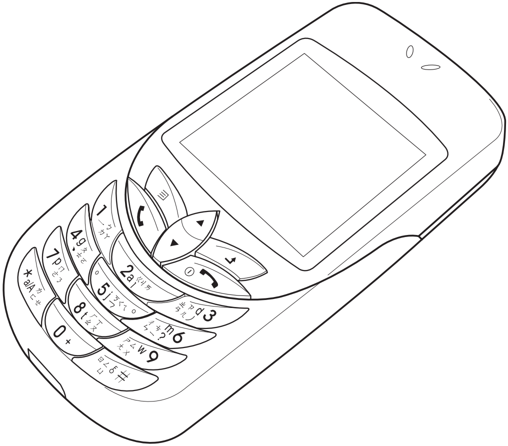
Asus Mobile

V55 Cell Phone

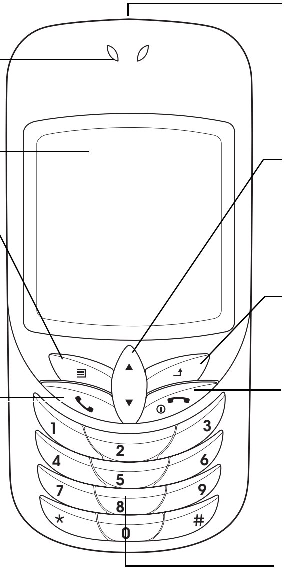


User Guide

Contents

Welcome

Congratulations on your purchase of an Asus Mobile V55 Cell Phone. The following illustration displays the features found on the front of your phone.



Speaker

Screen

Left/Menu Soft Key
Press to display menu or select left menu functions.

Send/Answer Key
Press to turn on the power or end a call.

Strap Eyelet
Attach phone strap to carry easily.

Up/Down Navigation Key
Scroll through menu items.

Right Soft Key
Press to select right menu items

Power/End Key
Press to turn on the power, end a call, or to exit menu.

Keypad

Overview

The V55’ stylish design and color display make it a pleasure to carry around. The V55 has features to meet your communication needs and more.

Stay in touch with wireless networking

The V55 is a phone for people who want to stay in touch with the world. In addition to all the basic calling and messaging functions you would expect with a cell phone, it supports multimedia messaging, enabling you to send and receive pictures. Wireless networking capabilities enable you to check e-mail or browse web services covering news, entertainment, reservations, finance, navigation services (GPS), and more.

Manage your time with the PIM

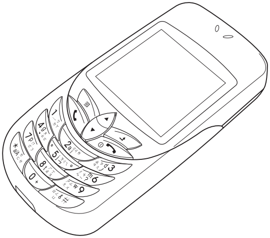
The V55 is a phone for people on the go. The Personal Information Manager (PIM) helps you schedule appointments in the calendar, set alarms, or jot down important notes.

Play and create with camera, photo editing, and games

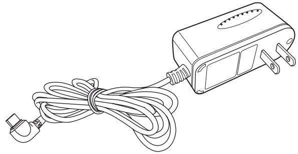
The V55 is also a phone for people with a sense of creativity and fun. Not only does it have a built-in camera, but it offers a variety of photo editing options. Finally, for a moment of fun, there are games and a music composer.

Unpacking list

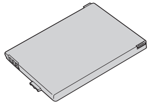
The following items come included in the box.



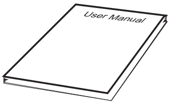
Cell phone



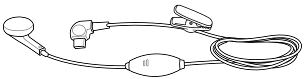
Battery charger



Battery



User manual



Headset

Note: Please save the original box and packing materials in case you need to repack any items or send them for servicing.

Menu Map

 Phonebook

- New number
- Name
- Number
- Group
- Ringtone
- Options
- Search
- SIM List
- Delete All
- Copy All to SIM
- Memory
- Speed Dial List
- Fixed Dial List

 Call Logs

- Dialed Calls
- Missed Calls
- Received Calls
- All Calls
- Call Info
    - *Call Costs*
- Call Timer

 Messages

SMS (text message)

- New SMS
    - *Options*
    - *Send*
    - *Save*
    - *Insert*
    - *Text Format*
    - *Input Language*
    - *Input Method*
- Inbox
- Draft
- Outbox
- Template
- Setting
- Capacity

MMS (multimedia message)

- New MMS
    - *Add text*
    - *Add image*
    - *Add audio*

Info Message

Voicemail

 **PIM** (Personal Information Manager)

- Calendar
  - *New Appointment*
  - *View Today*
  - *View Week*
  - *View All Appointments*
- Notes
- Alarm
- Calculator
- Voice Memo

 Camera

Activate

- Capture
- Options
- Zoom
- Brightness
- Contrast
- Color Effects
- Frames
- Number of Shots
- Resolution
- Image Size

 Camera

View Pictures

- View
  - *Effects*
  - *Animation*
  - *Transform*
  - *Face Off*
  - *Funny Theme*
  - *Filter*
  - *Adjustment*
  - *Options*
  - *Set to Wallpaper*
  - *Set to Caller ID*
  - *Set to Group Image*
  - *Send from MMS*
  - *Delete*

Settings

- Number of Shots
- Image Size
- Image Resolution

 Fun and Games

Album

Sounds

Pictures

Games

- RallyProContest
- XFinity

Download

 Settings

Profile
Sound and Alert
Handset Setting

- Language
- Display
- Clock
- Greeting
- Auto Keylock
- PLMN Display
- Scheme
- Reset Setting

 Settings

Call Setting

- Answer Mode
- Call Waiting
- Call Barring
- Hide Number
- Minute Minder

Network Setting
Security Setting

- PIN Codes
- Phone Lock
- Fixed Dialing

Bearer Setting

- GPRS Setting
- CSD Setting

 WAP

Homepage
Profile Setting
Push Setting

 STK

(Sim Application Toolkit)

This menu guide lists the main set of keys that are frequently accessed items in the menu.

Specifications

Antenna	Internal antenna
Battery	Lithium ion, >700 mAh
Talk Time / Stand by time	2.5-5 hours / 140-200 hours
Sounds	• 40 SW-MIDI tones • 20 pre-defined ringtones • 4-track midi music composer
Display	• Color display • 20 wallpapers (pre-defined)
Power on-off Animations (pre-defined)	1 animations
Alarms	1 single, 1 recurring alarm
Camera	• Digital zoom, 2x,4x • 4 sequential shooting modes (multi-shot) • Night shot mode • Natural / sepia / monochrome tone effects
Networks	GSM, GPRS

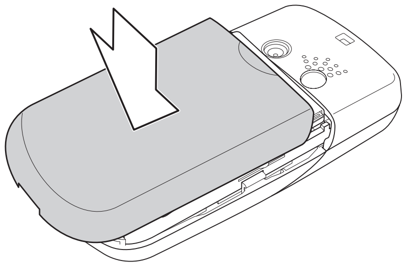
Messaging	• Text message (SMS) • Multimedia message (MMS) • Enhanced messaging service (EMS) to support formatting and multimedia • 7 changeable message groups
Text input	• Multitap • T9™ text entry (predictive input)
WAP	WAP 2.0, bookmarks, offline browsing
Information Management	• Calendar, appointment scheduling • Voice recording and text notes • Calculator
Games	1 Mophun/WBE game
Security	• SIM lock • Phone lock • Keypad lock

Getting Started

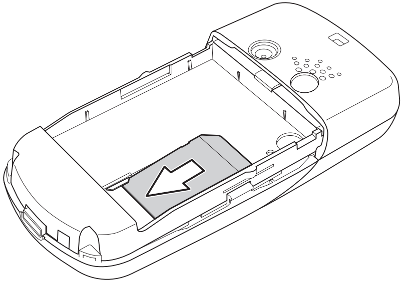
Inserting the SIM card and battery

When you register with a service provider, you receive a SIM card (Subscriber Identity Module card). Your phone must have a SIM card in order to make calls. The SIM card is a computer chip that contains your phone number, phonebook information, and service provider information. Handle it with care and do not bend it or expose it to static electricity or dirt. Be sure the power to your phone is off before you insert your SIM card.

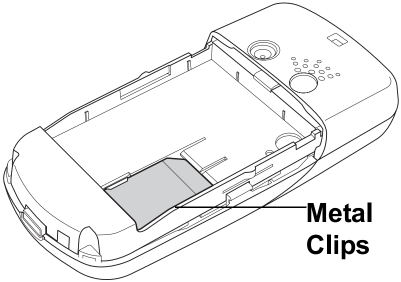
1. Press the notch on the back cover and slide to remove.
2. Remove the battery. The battery has side tabs to make it easier to grasp and remove.



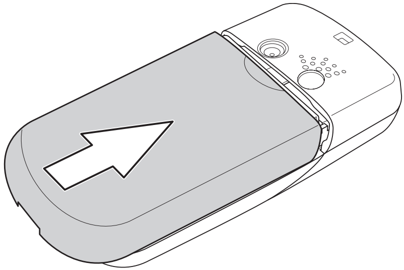
3. Place the new SIM card in the lower right corner. The gold plate on the SIM card should face downward.



4. Slide the SIM card into position, and secure it under the metal clips.



5. Replace the battery cover. Place the back cover against the phone case, then slide it upwards to lock into place.



Turning the phone on

1. Hold down the power/end key until the screen lights up.

2. If needed, enter your SIM card PIN code and press OK.

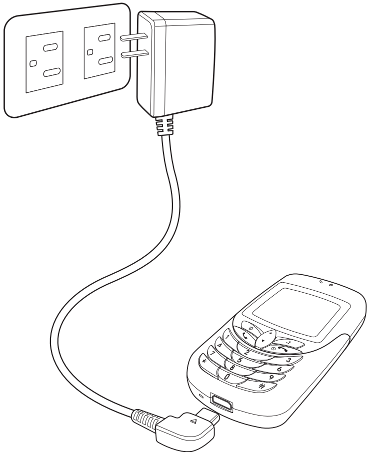
Turning the phone off

Press the power/end key and hold until the phone shuts down.

Charging the battery

1. Connect the charger plug to an outlet.

2. Connect the charger to the socket at the bottom of the phone. The connector can only be inserted one way.



Note: For best battery performance, allow the battery to charge and discharge completely the first few times you use it.

Low Battery Indicators

The battery indicator in the upper right corner of the screen indicates how much charge remains in the battery. As additional reminders, when the battery is low, the phone emits a double beep. The message "battery low" also appears on the screen.

Note: If the battery has been deeply discharged, it may take several minutes before the battery level indicator is displayed

Making a call

1. Enter the number you wish to dial. If you make a mistake, select **Clear** to delete. The right soft key is just under the word **Clear** on the lower right screen, so select this key to clear a number. Press and hold down the or end key to return to idle screen.

2. Press the send/answer key to connect.

3. Press the power/end key to disconnect.

Answering a call

1. Press the send/answer key to answer a call.

2. Press the power/end key to end the call.

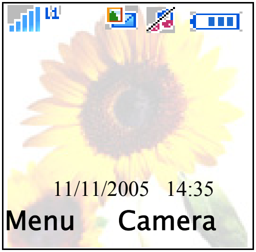
Options during a call

• Phonebook	Check a contact phone number in your phonebook during a call.
• Volume	Adjust speaking and listening volume during a call.
• Hold	Hold a call.
• End all calls	End all calls currently in progress.
• Mute	Mute a call.
• DTMF	Allow the recipient to hear key press tones.
• New SMS	Type a text message during a call. (this is convenient in loud speaker mode)

Using Your Phone

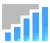
Standby mode

When your phone is on, but not in use, it is in standby mode. During standby mode, the upper part of the display screen shows various icons.



The date and time is displayed at the bottom of the screen. Beneath the date and time are **Menu** in the left corner and **Camera** in the right corner. Press the left menu/soft key to view the menu, and the right soft key to use the camera.

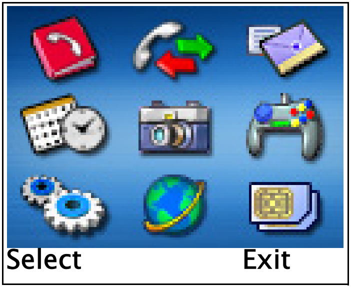
The Standby screen icons are as follows:

	Bars indicate the strength of the GSM network signal. Five bars means your current position has the best reception.
	Alarm is set.

	A text message has been received.
	A multimedia message has been received.
	Call forwarding is activated.
	The SMS memory is full.
 	Musical notes indicate sound-on mode. Notes with a line over them indicate silent mode.See *Silent mode* on page 35.
	Roaming means your phone searches for available service providers when outside of your service provider range.

Menu

To view the menu, select the left menu/soft key from the main display.



After the menu appears, scroll through menu items by pressing the navigation key .

Beneath the main menu are **Select**, to the left, and **Exit**, to the right. Press the key just under **Select**, the left soft key, to select an item. Press the key just under **Exit**, the right soft key, to exit the menu.

The right and left soft keys can also be used for selecting various options in sub-menus.

For example, to view missed calls:

1. Use the up and down navigation key to scroll to **Call Logs**.

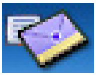
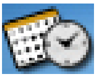
2. Press the left soft key to select.

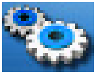
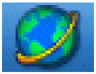
3. In the submenu, scroll down to **Missed Calls**, the second item, then press the  left soft key to select



Tip: Hitting the power/end key is an alternative way to exit any menu.

Here are the icons for categories in the main menu:

	Phonebook is the place to store names and telephone numbers for easy access and caller recognition.
	Call logs store information about calls made, received, and missed.
	Messages gives you access to messages received. Compose and send text and multimedia messages here.
	Personal Information Manager (PIM) contains a simple calculator and a calendar for scheduling appointments. You can also enter notes or record memos.

	Camera enables you to take pictures with your phone. Pictures are also stored here.
	Fun and Games has a number of games as well as tools to manipulate audio and pictures.
	Settings lets you adjust settings including time, display, and security settings.
	WAP provides you with wireless access to the internet and e-mail.
	STK provides you with access to services and information through your SIM card.

Function keys

The following table lists the phone keys and their functions.



Power/end key

- Hold to turn the phone on or off.
- Press to stop an incoming call or cancel a call you are dialing.
- Press to exit a menu or sub-menu.



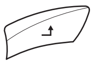
Send/answer key

- Press to send or answer calls.
- Hold to redial the last number called.



Left/menu soft key

- Press to perform the function currently displayed in the lower left screen.
- Press to move left when playing games.



Right soft key

- Press to perform the function currently displayed in the lower right screen.
- Press to move right when playing games.



Up and down navigation key

- Press to scroll through menu items.
- Press to move up and down when playing games.

Text entry

When you add names to your phone book, send a text message, or use your WAP browser, you need to enter text. Your cell phone has two text entry methods. You can enter letters individually or with predictive text entry, which helps you complete words as you enter them.

Text entry: The basics

- Use the **Clear** function, in the lower right of the screen, to clear a letter if you make a mistake.
- Use the # key to enter spaces between words.

Choosing text entry methods

From any text entry screen, such as a message window, select **Options>Input Method**. Select Multitap for entering letters one at a time or T9™ to let the phone predict the letters you are typing.

Multitap text entry

Multitap text entry enables you to enter individual letters. This is ideal for adding a phonebook entry or entering a WAP address.

When you press a key, the assigned characters appear in the upper right of the screen. Press the key repeatedly to scroll through these characters. Pause, and the selected letter appears on the screen.

Here is a table showing Roman alphabet characters and their assigned keys.

Key	Assigned Characters
1	. , - ? ! ‘ @ : ; / ( ) 1
2	A B C Å Ä Æ à 2
3	D E Fè É 3
4	G H I Ì
5	J K L 5
6	M N O Ñ Ö Ø ò 6

Key	Assigned Characters
7	P Q R S ß 7
8	Y U V Ü ü 8
9	W X Y Z 9
0	+ 0

For practice, try entering text into a text message (SMS).

From the menu, go to **Messages>New SMS.** To enter the word, “hello,” first make sure that the entry method is set to multitap. Press **Options**, then select **Input Method**. Select **Multitap.** To enter the words “my phone” into the text entry area, follow these steps:

1. Press the 6 key to select **m**.
2. Press the 9 key three times to select **y.**
3. Press # to enter a space.
4. Press 7 to enter **p**, then press 4 two times to enter **h**. Continue until the word “phone” is entered.

T9™ text entry

T9™ text entry is a predictive text entry method. It uses a built-in dictionary to predict the word you are typing. You can choose the correct word from the suggestions on the bottom of the screen. By reducing the number of keystrokes, the T9™ text entry method helps some users to type messages more quickly.

Whenever you press a key, a list of possible characters or character combinations appears on the screen. To enter text, use the up and down navigation key to find the character combination you want. Press **Select** and the characters appear in your message text. If you make a mistake, press **Clear**.

Here is an example of how to enter a word using T9™ text entry.

1. Let's say that we want to write the word "baby."
2. First press the 2 key. The choices **a, c, b** appear on the screen.
3. Scroll to **b**, then press **Select**.
4. Press the 2 key again. The first choice of characters is **cc.** The screen also changes to **cc**. Do not worry that your first choice has been deleted.
5. Scroll to the pair **ba** and press **Select**. The letters **ba** now appear on the screen.
6. Press the 2 key once again for the third letter **b**. **cab** is the first character combination that appears on the screen,
7. Scroll to **bab**, select, and **bab** appears on the screen.

8. Press the 9 key. The T9™ system predicts that **baby** is the probably the only word in English beginning with **bab**, and this word only appears on the screen.

9. Select to enter.

Note: For T9™ text entry to work properly, ensure the language settings in your phone match the language you want to type in. see *Language* on page 74.

Calling Features

Redialing a number

1. Press the send/answer key. A list of numbers dialed appears, with the last number dialed at the beginning of the list.

2. Select the number you wish to dial and press the send/answer key.

Dialed numbers can also be accessed from **Call Logs>Dialed.**

Caller ID

If you have entered a contact's name and phone number into the phonebook, when the contact calls you, the name appears on the screen.

Showing or hiding personal information

When you make calls to other people, your phone number appears on their phone display. If your name and number are in your contact's phonebook, your name appears alongside the number. There is, however, an option for calling without allowing your phone number to appear on your contact's telephone. You may choose to hide your number for the next call, or for all calls made.

To hide or show your phone number, go to **Settings>Call Settings>Hide Number.**

Canceling an incoming call

If you would like to cancel an incoming call, press the power/end key. Depending on your service provider, the caller may be transferred to your voice mail or may hear a busy signal.

Call logs

To view missed calls, as well as logs of dialed calls and received calls, select **Call Logs** from the main menu. The number of calls in a list is limited to ten. Older calls are dropped from the list when the limit is reached. Most recent calls appear first in a list.

Returning a missed call

If you have missed a call, a message appears on your standby screen to tell you a call was missed.

1. To view missed calls, go to call **Call Logs>Missed Calls**. Scroll through telephone numbers of missed calls and view additional information, such as the time and date received.

2. Select **View** for details including the complete number and time received.

3. To call the number, press and hold the send/answer key. You may also select **Options>Call**.

Dialed and received Calls

Call Logs also contain lists of dialed and received calls. To dial one of these numbers, follow the same process as for returning a missed call.

While viewing a call log number, you can select **Options** to other functions:

Edit	Edit the number. This may be useful for adding an area code, for example.
Save	Adds the number to the phonebook.
Delete	Deletes the number from the list. Deleting can create space for other numbers.
Delete all	Deletes all numbers in the list.

Call Logs>All Calls contains a combined list of dialed, missed, and received calls.

Answer mode

The default setting for the phone is to answer when you press the send/ answer key. However, you can also set the phone to pick up with any key or to answer automatically. Select any of these options in **Settings<Call Settings<Answer Mode.**

Silent mode

During silent mode, the phone vibrates for an incoming call.

Press and hold the * key to enable or disable silent mode.

When silent mode is not enabled, the icon appears in the standby screen. When silent mode is enabled, the appears.

Call waiting

If your service provider offers call waiting, you first need to enable the **call waiting** option by selecting **activate** at **Settings<Call Settings<Call Waiting.**

1. When a call comes during another call, press the send/answer key to receive the second call.

2. Press the send/answer key to switch back to the first call, or to switch between calls.

Call barring

Call barring is a service available through your service provider. This service restricts different types of incoming and outgoing calls. In addition, you may select barring voice calls, data, faxes, messages, or all services. This is a password-enabled service; the call barring menu includes an option for setting a password.

Find call barring at **Settings<Call Settings<Call Barring.**

Call timer

Depending on the type of service package you have, you may pay according to the length of your calls. Some users like to monitor the length of their calls. Your phone offers a convenient and accurate way to keep track of length and costs of calls at **Call logs>Call Info>Call Costs** and **Call Timers.**

You can even set a limit for call length and have a tone sound to remind you that the time limit has been reached. To do this, go to **Settings>Call Settings>Minute Minder.** This is a reminder function only, and does not close a call.

International calls

To dial an international call:

1. First enter a **+** by holding down the 0 key.

2. After the **+**, insert the international access code for the country you wish to dial, followed by the telephone number.

Phonebook

The phonebook enables you to store information about your contacts, including phone numbers, fax numbers, addresses, and e-mail addresses. You can also set up special information for contacts, such as ringtones, pictures, and groups.

Adding contacts

Add new contacts from **Phonebook>New Number**.

1. Enter the name of the contact, mobile phone number, and home number in the given fields. Use the up and down navigation key to move between fields. Use the number keys to enter information into the fields.
2. Select **Save** to save the contact information.
3. Select **Options** to change the input method and language.

Note: You may leave some fields blank. However, you must give the contact a name before you can save.



Tip: There is a quick method for starting a new entry in the phonebook. Enter a number into the standby screen. Select **Save** from the lower left screen.

Groups

You may add the contact to a group. To add a contact to a group:

1. Select **Options>Grouplist**
2. A list of groups appears. Scroll to the desired group, then select.
3. Select **View** to edit group settings.
4. Select **Options>View Members** then select numbers to add phonebook entries to the group.
5. Select **Options>Send SMS to Group**, then select **Change** to select all group members you wish to send MMS to.

Note: Only contacts stored in the handset, not the SIM, can be set into groups.

Using a group list

Group Lists are a convenient way to group contacts. For example you can send a text message to a group, rather than having to send many individual text messages. You can also set ringtones and pictures for the group.

For more information on groups, see *Using a group list* on page 38.

Pictures

You may set camera photos to appear each time a contact calls.

Editing contact information

1. Select the contact.

2. Select **View>Edit** to edit contact information.

Phonebook>Options offers convenient tools for accessing contact information, such as searching and speed dialing, as well as editing options.

Searching for a contact

1. To search for a contact, enter a contact's name in the **Options>Search** menu display. In the contact list menu, you may also search by entering only the first letter or letters of the name.

2. Press the  send/answer key to search.

To view all contacts stored on the SIM card, select **SIM List**.

Copying contact information to a SIM card

Normally, phonebook information is stored on the phone. Copying contact information to the SIM card means the phonebook information can be still be accessed when you use the SIM card with another phone.

- Copy a single contact by selecting **Copy to SIM.**
- Copy all contacts by selecting **Copy All to SIM**.

Deleting a contact

- To delete the current contact, select **Delete.**
- To delete all contacts, select **Delete All**.

Editing a group list.

1. Go to **Phonebook>Options>Group List.** Select a group, then select **View**.

2. Information fields appear for name, picture and ringtone. Select any of these fields to edit them.

The phone comes with five preset groups: *VIP, Family, Friends, Colleagues,* and *Biz*. The phone can contain only five groups. However, you may change the names of the groups by entering a new name in the name field.

Using a fixed dialing list

Fixed Dialing Lists restrict the calls that can be made with the SIM card to those specified in the list. To specify a number in the Fixed Dialing List, select **Fixed Dial List** and then select an entry to view, edit, or delete. You can also add a number to the group.

Speed dialing

Speed dialing enables you to dial numbers by pressing a single key. To assign a speed dial number to a contact:

1. Select a contact name in the phonebook.

2. Select **Options>Speed Dial List.**

3. Nine frames appear, labeled *Key 1* through *Key 9*. These correspond to keypad numbers (1) through (9). Scroll to highlight the speed dialing key you wish to assign. Select **edit.**

You can assign a contact's number to a key by selecting **Speed Dial List.**

Setting your own phone number.

To set, edit, or delete your own number, select **Phonebook>Options>Own Number.**

Viewing the status of the phone

To view the status of the phone and SIM card memory, select **Memory**.

Messages

Messages enables you to send and receive text messages (SMS, or Short Message Service) or multimedia messages containing a combination of audio, pictures, or text (MMS, or Multimedia Messaging Service).

If you have received a new text message or voice message, the envelope icon in the standby screen will flash on and off. To view a text message, select the **Messages** icon on the main menu and a list of text messages appears, with messages sorted from newest to oldest.

When your phone displays **Memory Full**, you must delete some messages from your received messages or your drafts folder before you can receive new messages.

Sending messages

New SMS

To compose and send a text message:

1. Go to **Messages>New SMS**
2. A text entry box appears. Enter your message.
3. Select **Options>Send,** to send the message.
4. A frame appears, with the prompt **Enter Number**. Enter your number in the frame and select **Send**.

The phone supports two types of text entry, Multitap, and T9™ predictive text input. For more information, see *Text entry: The basics* on page 27.

1. Enter the text of your message.

2. To send the message, select **Options>Send**.

Shortcut keys

The * key switches between different case entry methods. The text entry icon at the top of the screen shows text entry modes. The book symbol on the icon shows that you are in text-entry mode.

	Upper case letters “ABC” indicate upper case mode.
	“Aa” indicates that the first letter of words is capitalized. All other letters are lower case.
	“abc” indicates lower case mode.
	The middle symbol indicates the text entry method. “T9” indicates T9™ predictive text input. If the middle space is empty, then the current text entry method is multitap.

Options

Selecting **Options** from the text entry box also enables you to select the following options:

Send	Prompts you to enter a phone number and send the message.
Save	If you are not ready to send a message, you may save it as a draft.
Insert	**New paragraph** enables paragraph formatting by adding a line space. **Template** inserts ready-made phrases, such as “I’ll be late,” or “Thank you.” **Phone number** enables you to add a phone number directly from the phonebook. **Pre animation** enables you to add a preset animation. **Own picture** inserts your own picture. **Own animation** enables you to insert an animation of your own. **Pre sound** enables you to insert a preset sound. **Own melody** enables you to insert a melody of your own.
Text format	Add emphasis to text with bold, italic, underline, or strikeout formatting.

Input language	Change your input language. This is essential for T9™ predictive text input.
Inbox	Go to **SMS>Inbox** to view all SMS messages stored in your handset. Select **View** to read the SMS Select **Options** to: • Delete - Delete the SMS • Reply - Reply with a message to the sender • Edit - To edit the message • Forward - To forward the message to a friend • Call - To call the sender
Draft	Go to **SMS>Draft** to view a list of draft messages.
Template	Go to **SMS>Template** to view a list of preset short messages.
Input method	Switch between Multitap and T9™ predictive text input.
Setting	Adjust phone settings. See *Settings* on page 46 for more information.
Capacity	Check how much of the phone's capacity is in use. When capacity is reached, older messages are deleted. The phone can hold eight SMS messages on the SIM and 50 stored on the phone card.

Settings

Change the following settings in **Messages>SMS>Setting**:

Message Centre	Enter the number to call to retrieve voicemail messages. You must obtain this number from your service provider.
Message Format	Set the format to Normal (SMS cell phone message), Fax, Voicemail, Internet.
Message Lifetime	Sets the length of time your service provider holds the message, if it cannot be immediately sent. This can be set to 1 hour, 2 hours, 6 hours, 1 day, 2 days, 1 week, 4 weeks, or 6 months.
Status Report	Set to *on* or *off*. When activated, an SMS receipt is sent to you when the message is successfully sent.
Pay for Reply	Gives your consent to pay for a reply. Whether you need to pay for a reply depends on your service provider.

Multimedia Messages (MMS)

Composing a new multimedia message

To compose a multimedia message, select **Messages>New MMS.** Three options appear:

Add Text
Add Image
Add Audio

Add text

Scroll to **Text** and select to enter text. The text entry box is the same as the text entry box for an SMS message.Enter text.

In MMS text mode, only three options are available when you select **Options**: Save, Input Language, and Input Method.

Unlike a simple text message, you must save your text in order to incorporate it into your MMS. Select **Options>OK.**

Add images

1. Select **Image** to add a picture or photograph to the message. A list of images in the phones Album folder is displayed.

2. Select the photo you wish to add and select **OK**. The photo is automatically added to the MMS message. In the main MMS screen, you see the text and images of your message combined together.

Add audio

1. Select **Audio** to add an audio file. Two items appear, **Sounds** and **Recording.** Select **Sounds.** A list of audio files available in the phone's Ring Tone folder appears.Select **Recording** to attach a recorded message. See *Voice Memo* on page 84 for information on recording voice memos.

2. Select **Options**, then **Send** to send the message, enter the phone number or numbers to send the message to. Four fields appear on the screen, "To", "Subject", "cc", and "bcc". However, you cannot enter numbers directly on this screen. Select "To" and a separate screen appears. Choose either phone number or email and type in the recipient's contact information (phone number or email).

Sending the MMS

1. From the main MMS screen, press the **Options** key.

2. Select **Send**.

When you press the options key from the main MMS screen, the following options also appear:

Send	Sends the message.
Preview	Preview the message before sending it.
Remove Object	Removes currently selected object in MMS message. (Text, image, audio).
Insert new page	Inserts a new page into the message.
Save	Saves the message.
Save as template	Saves the message as a template.
Page timing	Controls the speed at which pages change, if there is more than one page.
Background color	Sets the messages background color.

Additional multimedia message options

When you select **Messages<MMS**, the following MMS options also appear on the screen:

Inbox	Received messages are stored here.
Drafts	You may select a previous draft to work with or delete drafts.
Outbox	Sent messages are stored here.
Templates	Templates can be sorted by date or type.
Settings	Controls how messages are sent and received. See details on Settings below.
MMS Profile	MMS Profile refers to the service or service provider used to send and receive messages.

Settings options

Sending

Validity period	Set a number of days for the service provider to continue trying to send a message. This setting is useful if your contact's phone is turned off.
Read report	Request a receipt from your contact when the message is received. **Note:** A receipt is only sent when the person receiving the message agrees to send it.
Delivery report	Check to see if the service provider has sent the message.
Priority	Set the priority for the message as Low, Normal, or High. The message may appear on the receiver's phone with a priority marking, depending on the type of phone of the receiver.
Show number	Choose to show or hide your number when the message is delivered.

Retrieval

Retrieval mode	Set retrieval of MMS to manual or automatic.
Read report	Set read report to On Request, Always, or Never.
Delivery report	Set whether to send delivery report after sending an SMS.

Information Services

Information services distribute content as text messages with content about weather, news, and financial markets. Manage information services at **Messages>Message Info**.

The phone comes with an information message box already set up. However, you need to enable various settings for it to work:

Reception	Enable **on.**
Auto Display	Enable **on** or **off** according to your preference
Set Info.	Choose among services offered by your provider. This will not work if you do not yet have a provider.
Language	Choose the language of the information service.

Voicemail

Voicemail is provided by your service provider. Voicemail messages are stored on the network server and not on your phone’s SIM card.

Your service provider will give you a number to dial to hear your voicemail messages. You may directly dial the number, but you may also store and access the number from **Messages>Voicemail<Get Voicemail**.

Enter the phone number for voicemail in **Messages>SMS>Setting.** See *Settings* on page 46 for more information.

If you have more than one voicemail, select the voicemail box you wish to call in **Messages>Voicemail<Box Numbers.**

Using the Camera and Managing Photos

Your phone has an easy-to-use, built-in digital camera. After you take photos with it, you can send them to friends and family, set them as wallpaper, or even add a photo to your phonebook, so that the picture appears when someone calls you.

Taking a photo

1. Select **Camera** from the main menu, or from the lower left of the standby screen.

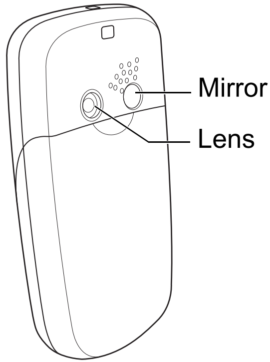
2. Select **Activate**. The image from the camera lens appears on your screen.

3. The camera lens is on the back of the phone, just above the battery.

4. Hold the phone upright and point the lens in the desired direction.

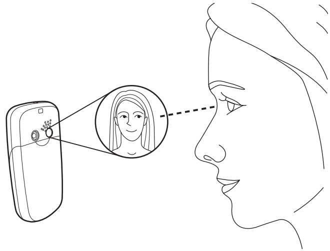
5. Press **Capture** to take a photo.

6. The still photo image appears on the screen. If you are satisfied with the photo, press **Save** to add it to your photo album. If you do not wish to save the photo, press **Back**.



Self-portrait

You can take a self-portrait by using the small mirror on the back of your phone. Hold the camera with one hand and use another to press **Capture**. Look at your reflection in the mirror to position the camera.



Settings

There are two ways to adjust settings. Select from a list of settings in **Camera>Settings** or while in picture taking mode, press **Options** to make adjustments using camera setting icons on the screen.

From **Camera>Settings**, the following settings can be adjusted:

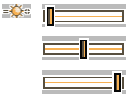
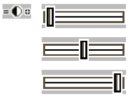
Number of shots	When you select **Capture**, the camera normally takes one picture. You can also select from 1, 3,6, or 9 sequential shots. This is a useful option for situations where the action is changing rapidly, such as a sporting event.
Image size	Four sizes are available: 80 X 60, 160 X 120, 320 X 240, and 640 X 480.
Image Resolution	“Resolution” refers to image quality and clarity. Select high, medium, or low resolution.

Note: If you plan to share photos with others, keep in mind that all phones that support photos can receive 120 X 160 photos. Other sizes may not be supported.



Tip: High resolution photos require a lot of memory. To save memory space, select middle or low resolution. Lower resolution, however, also produces lower quality photos.

While in picture-taking mode (**Camera>Activate**), select **Options** to view camera setting icons and adjust camera settings. Scroll through the various options by selecting **Options** with the right soft key. Adjust the settings for an option using the up and down navigation key.

	**Zoom.** Three zoom setting icons appear in the lower left screen, for normal view, 2x and 4x zoom.
	**Brightness**. Adjust brightness according to environmental conditions. A sunny day requires lower settings while a cloudy higher ones.
	**Contrast.** Contrast makes dark areas darker and light ones lighter.
	**Color effects.** Scroll through several color effects. Color filters add a certain color to the entire shot. For example, with a blue filter, all objects in the picture are taken with a blue shade or overtone. There is also a photo negative effect and a color inversion effect, which replaces original colors with other colors.

	**Frames.** Select a decorative frame for your picture. You may also add a frame in **Camera>View Pictures>View>Effects**.
	Number of shots. (See *Settings* above.)
	**Resolution.** (See *Settings* above.)
	Image size (See *Settings* above.)

Managing your photos

View the photo album by selecting **Camera>View Pictures**. If you prefer to scroll through full-frame views of individual photos, select any individual photo, then push the scroll button to view the next photo.

Select a photo, then select **Options** to view the various ways you can use your photos:

Set to wallpaper. Set a photo as wallpaper, the picture displayed in standby mode. You may select Fit to Screen or Put on Center views. For more information on wallpaper, see *Display* on page 72

Set to Caller ID. Associate a photo with a contact in your phonebook. When the contact calls you, the contact's photo is displayed.

1. Select **Options>Caller ID**.
2. A list of contacts in your phonebook appears. Select the desired contact.

Set to group image. For more information on groups and how to set a group in your phonebook, see *Using a group list* on page 38.

1. Select **Options>Group Image.**
2. A list of groups in your phonebook appears. Select the desired group.

Send via MMS. Attach the photo to a multimedia message. For more information on multimedia messages, see *Multimedia Messages (MMS)* on page 47.

Delete. Delete the selected photo from the photo album. Select **Yes** to confirm the deletion or **No** to cancel.

Delete all. Delete all pictures in the handset.

Adding effects to your photos

The variety of effects offered in your camera helps you to improve the look of your photos or add creative touches. Bring out the best of a photo by changing the layout or editing photographic elements such as brightness and hue. Add decorative frames and animations or change the look of a photo through artistic filters.

Animation

Animated Frame	Adds a decorative animated picture frame.
Animated Morph	Animates a portion of the photo. The up and down navigation key scrolls among styles. Move the animation frame around different portions of the photo using the 2,4,6, and 8 number keys.
Animated Effect	Adds a sparkling animation effect to the photo.

Transform

Rotate	Select the best layout for a photo with Rotate. Rotate photo position by 90°, 180°, or 270°clockwise.
Flip	Reverses the image.
Flip Horizontally	Mirrors the image horizontally.
Flip Vertically	Inverts the image.

Face Off contains the types of effects you would expect to find at a carnival funhouse.

Morph	Distorts appearances much like a funhouse mirror does. You may reapply this function several times to create even weirder effects. Reapply by pressing on the up and down navigation key.
Mask	Superimposes masks on faces in the picture so you can dress up a friend in a wizard's hat or Halloween mask
Hairdo	Adds hairdos to people in the picture.

Funny Theme superimposes decorative graphics on photos.

Frame	Adds a frame to the edges of a photo.
Greeting Card	Adds text and graphics to turn photos into greeting cards.
Text	Places text over photos.
Stamp	Places stamp graphics on a photo.

Filter applies a variety of artistic effects to your photos.

Blur	Decreases definition and contrast of objects. A radius bar appears. Increase or decrease the amount of blur by setting levels on the bar, using the up and down navigation key.
Sharpen	increases definition and contrast of objects.
Fill Flash	distributes light evenly over both the subject and the background.
Smart Blur	retains the sharpness of the foreground image while creating a blurring effect in the background.
Oil Paint	adds brush-stroke effects to the photo.
Frosted Glass	adds a frosted glass effect to the borders of the photo.
Beautify Skin	smooths skin appearance and can cover skin blemishes.
Sepia	changes photo colors to the brownish sepia tones of old photographs

Adjustment enables you to adjust some of the basic visual components of a photo. After viewing an adjustment, press select to either undo or save the changes.

Hue/ Saturation	Refers to the purity of a color, without dilution by black or white. Increasing hue/saturation makes the colors look deeper and more intense.
Color Balance	Changes the balance of colors in the photo by adjusting primary color values.
Mono	creates a black and white photo.
Negative	Creates the look of a photo negative by reversing dark and light areas.

Fun and Games

The Fun and Games section of the menu contains games, as well as creative sound and image tools.

Album

Selecting **Album** opens the photo album, along with the same functions found in **Camera>View Pictures**. For more information on managing and editing photos, see *Managing your photos* on page 59.

Sounds

Select, set, delete and share ringtones here.

1. When you select **Sounds**, a list of available ring tones appears. Scroll to a ringtone.

2. Select **Sounds** to set any of the following ring tone options:

Set to default ring	The ring sounds for all incoming calls, unless otherwise specified.
Set to personal ring	Assign a ring for calls from a phonebook contact or for a phonebook group.
Set to group ring tone	Assign a ring tone to a group.
Send via MMS	Attach a ringtone as an MMS audio file.
Delete	Delete a ringtone.
Info	View information about a ringtone.

Pictures

Selecting **Pictures** opens an album of artwork and graphics that you can set as wallpaper, send as part of a multimedia image, and more.

To view an individual photo, select **View**.

Select **Options** for ways to display or share a picture. These are the same options as in the photo album: **Camera**>**View Pictures**>**Options.** See *Managing your photos* on page 59 for more information.

Composer

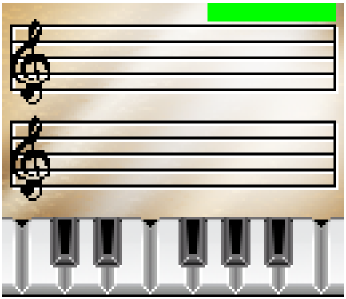
Composer is a midi music composition tool that enables you to compose and edit tunes with up to four channels. Composer stores up to five tunes. The factory default setting for these phones is empty, so you can create completely new melodies.

Here is how to create a melody in Composer:

1. Select a melody, then select **Edit**.

2. Choose one channel, from channels 1-4.

3. A keyboard and blank music score appear on the screen.



You may choose from a scale of seven notes, from do to si/C to B. The number keys correspond to these notes.

Below is a table of the keys and the corresponding notes and symbols.

Keys 1 through 7	♩ notes on a seven-note scale from do/C to si/B.
9	♩. Adds a dot to a note. (Lengthens duration.)
*	Select notes using the up and down navigation key. Press * to change the value of notes, among 𝅝 𝅗𝅥 ♩ ♪ 𝅘𝅥𝅯 𝅘𝅥𝅰. Change the values of rests, among 𝄻 𝄼 𝄽 𝄾
0	𝄽 Adds a rest.

4. Select **Options>Play** to hear your tune.

5. Select **Options**, and adjust **Tempo**, **Instrument**, and **Volume** to your liking.

6. **Save** your work to avoid losing it. Select **Options>Set** to Ringtone if you would like to set it as a ringtone. Select **Save>Exit** to leave editing mode.

Games

Your phone contains the exciting Xfinity game.

To navigate through games:

, Use the (4) and (6) keys to move right and left.

up and down navigation key	Move up and down
(4) and (6) keys	Move right and left.

If you receive a phone call or message or an alarm sounds while you are playing a game, the game pauses.

General Phone Settings

In the settings section of the menu, you can edit settings for personal preferences, such as display or ring style. You can also set useful features such as time and date or security features. This section of the manual introduces the most commonly used features.

Time and date

Setting the time and the date enables you to use your cell phone as a clock and calendar. You also need to set the time and date before using the Personal Information Manager (PIM). Set the time and date at **Settings>Handset Setting>Clock.**

Ring style

To set the phone to your favorite ring, go to **Settings>Sound and Alert>Ring Tone.** You may also choose to have the phone vibrate only, without making any sound, when a call arrives.

Tip: * is a shortcut key for setting the phone to silent mode.

You may also compose your own ring tone. For more information, see *Composer* on page 68

Ring volume

To adjust ring volume, go to **Settings>Sound and Alert>Ring Volume.**

You can adjust the ring volume of the following features:

Any call, Alarm, Message, Cell Broadcast.

To adjust the volume, click on Edit (left soft key) then use the "✱" and "#" keys to turn the volume higher or lower.

After you are satisfied with the volume, select save.

Earpiece and ring volume, ring style, and answering settings can also be set in **Settings>Profile**.

In profile, select the type of environment you are in, and earpiece and ring volume adjust accordingly. For example, if you choose **outdoors**, the settings will be louder than if you choose **quiet**.

Display

Wallpaper

The wallpaper image is the image that appears in the background when in standby mode. You can set a picture or a photo as a wallpaper image or even select the calendar as the wallpaper image.

To set a photo or picture as wallpaper:

1. Go to **Settings>Handset Settings>Display>Wallpaper**. Select **Change**.

2. Select **Pictures, Calendar,** or **No Wallpaper.** If you select **Pictures**, an album of artwork and graphics appears.

3. Select the picture you would like to set as wallpaper.

   There are two display options: **Fit to Screen**, and **Put on Center**. Choosing Fit to Screen means the picture fills the entire screen. Choosing Fit to Screen places the picture over the entire screen. Put on Center centers an image which is smaller than the size of the screen.

To set a photo taken with the phone's camera as wallpaper, go to **Camera>View Pictures>Options>Set to Wallpaper.** For more information, see *Managing your photos* on page 59.

Start-up animation

Start-up animation sets an animated image to display briefly when you turn on your phone.

Greeting

You can enter a personalized message, such as a favorite saying, to appear when you turn on the phone. This is called a **greeting**, and can be set in **Settings>Handset Settings>Greetings.**

Menu display schemes

You can also choose between two different menu display schemes. The circular icon scheme displays round icons in a spherical orbit, while the grid icon scheme displays icons in a grid. Set schemes in **Settings>Handset>Scheme.**

Language

Set the language for the main display and menus, as well as for language input in **Settings>Handset>Language.** When set to *Automatic,* the phone adjusts to the main language of the regional service provider.

Security

SIM card lock

To protect your phone from unauthorized use, you can enable PIN (Personal Identification Number) protection. Blocking access to the SIM card prevents others from accessing information on the phone or making calls. When you turn on the phone, or when the phone is locked, you must enter the PIN before the phone can be used.

To set Security and PIN settings, go to **Settings>Security Setting>PIN codes.** After enabling the PIN protection option, you may set the PIN of your choice under **Change PIN.**

If you enter the wrong PIN code three times in a row, the SIM card is disabled. You must then contact your service provider for a PIN unblocking key (PUK) in order to enable the SIM card.

Phone lock

The phone lock offers an addition level of protection for your phone. The SIM card lock prevents unauthorized use of your service provider subscription. The phone prevents others from using the phone, even if your SIM card is replaced with another SIM card.

To activate phone lock:

1. Go to **Settings**>**Security Setting**>**Phone Lock**.
2. **Protection** should be set to *On.* Select **Change** to toggle between *On* and *Off* settings.
3. Select **Change Code**. The phone comes with a default code of 1234. Change the code to any 4-8 digit code.

Keypad lock

When you are carrying the phone, keys could accidentally be pressed.Locking the keypad prevents numbers from accidental dialing. To lock the keypad, press the # key. To unlock the keypad, press on the left soft key and the # key.

You may also set the phone to automatically lock the keypad when the phone is unused for a certain period of time, by going to **Settings**>**Handset**>**Auto Keylock**. The auto keylock can be set to **on** or **off**.

Network information

View information about the type of network your phone is operating on at **Settings>Handset Setting>PLMN.** (**PLMN** stands for Public Land Mobile Network Info). For example, if your phone might display “GSM 1800” to show it is on a GSM-type network, with 1800 MHz frequency.

Reset settings

You can restore the phone’s original settings at **Settings>Handset>Reset Settings.** The prompt “Restore factory settings? Yes/No” appears. Choosing “Yes” restores the settings that were in the phone at the time of purchase.

Personal Information Manager (PIM)

Your phone has a Personal Information Manager which includes a calendar, notebook, alarm clock, and calculator. Select **PIM** on the main menu to access the Personal Information Manager.

Calendar

Your phone has a calendar which you can use to keep track of your appointments. To navigate the calendar:

- Select **PIM>Calendar**. Press the up and down navigation key to scroll through the days.
- Hold down the key continuously to go back or forward a week.
- By scrolling beyond the first or last days of the month, you can view the previous or next month.
- When you select a day, appointments for the day appear.

Adding a new appointment

1. Scroll to the desired day on the calendar.
2. Select **Options>New Appt.**
3. Several fields appear for you to enter details about the date, time, and type of meeting, and alerts, and reminders. Scroll to select fields.

   Use the number keys to change the *Start Time, End Time, Subject* and *Note* fields.

If the *Date* field is not correct, change it by pressing **Select**, choosing a day from the calendar, then pressing **Select** again

To enter information in other fields, you must select from preset options. In these fields, red arrows appear at the right of the field. Press the  right soft key to select and view options.

Reminders and alerts

Whenever you set an appointment in the calendar, the phone sends a text reminder before the appointment. In the new appointment *Reminders* field, select a reminder time of either 5 or 10 minutes before the appointment time.

You may also choose to have a sound alert accompany the reminder. Select *On* or *Off* for this option.

Note: You will not be able to insert spaces or upper case letters in fields where letters are used.

Viewing and editing appointments

After creating an appointment, you can view or modify it.

To view an appointment:

1. Select the day of the appointment from the calendar.
2. Press **Select** to view the day's appointments. You may also view appointments for a day, week, or all appointments by selecting **Options**.

3. Select an appointment from the list and press **View** for more details of the appointment.
4. Press **Save** to save the appointment or the power/end key to cancel.

To edit an appointment:

1. Select **Options.** Follow the previous steps for viewing an appointment.
2. Select **Edit**. Edit the details as described in *Adding a new appointment* on page 77, and press **Save**.

Deleting appointments

The steps for deleting an appointment are similar to those for viewing an appointment.

1. Select the day of the appointment from the calendar.
2. Press **Select** to view the day's appointments or press **Options** to appointments by day, week, or all.
3. Select an appointment from the list and press **Options**.
4. Select **Delete** to delete the selected appointment or **Delete All** to delete all appointments.
5. Press **Select,** then **Yes** to delete the appointment or appointments.

Setting the calendar as wallpaper

Select **Set to Wallpaper** to set the calendar as the wallpaper. see *Display* on page 72.

Notes

You can use the phone to record important information such as names of people or places or record important reminders.

Select **Notes** from the **PIM** sub-menu and press the left menu/soft key to access notes.

Adding Notes

To add a note:

1. Select **New Entry** and press **Select** to add a new note. For details on entering text, see *Text entry* on page 27.

2. After entering the notes you wish to make, press **Options**, select **Save** from the list and press **Select**.

Viewing and editing notes

After creating a note, you can view or modify it if you need to. To view a note, select the note you want to view and press **View**.

To edit a note:

1. Select the note you want to edit and press **Options**.

2. Select **Edit** from the list and press **Select**.

3. After modifying the notes, select **Options**, then **Save**.

You can also press **Edit** from the view mode to edit a note.

Deleting notes

To delete a note:

1. Select the note you want to delete and press **Options**.
2. Select **Delete** to delete the selected note or **Delete All** to delete all notes.
3. Press **Select** then **Yes** to delete the note or notes.

Sending notes

You can send notes to another person’s cell phone. To send a note:

1. Select the note you want to send and press **Options**.
2. Select **Send** from the list and press **Select**.
3. Enter the phone to send the note to and press **Send**.

Alarm

Use the alarm to set a time for waking up in the morning or remind you of important times.

To set the alarm:

1. Select **Alarm** from the **PIM** sub-menu and press the left menu/soft key.
2. Select **Set Time**.
3. Use the number keys to set the time for the alarm. Press **OK**.
4. Select **Repeat Daily.** Press **Select** to turn the setting on or off. When set to *On*, the alarm will activate at the same time each day.
5. You may also turn the alarm on or off by selecting **Alarm Status**. Press **Select** to turn the alarm on or off.

Calculator

The calculator offers basic calculation functions such as addition and subtraction.

Select **Calculator** from the **PIM** sub-menu and press the left menu/soft key to access the calculator. The following table lists the keys you can press to perform a simple calculation.

Calculator Function	Phone Key
Entering numbers	Press the number buttons on the phone keypad.
– , +, x , ÷	Use the up and down navigation key to scroll through these arithmetic operations. The current arithmetic operation is displayed in the left side of the calculator display window.
Clear/ delete	Press the right key located just under the [C] symbol on the calculator to clear the last number entered. This is also used to calculator window after the value has been calculated.
=	Press the left menu/soft key, located just under the calculator's [=] symbol to perform the calculation.
Negative numbers	Press the * key to switch between a negative or positive number.
Decimal point	Press the # key to enter a decimal point.

Voice Memo

The Voice Memo tool is similar to Notes tool, except that you record your voice instead of words. (See *Notes* on page 80.)

Creating voice memos

To create a voice memo:

1. Select **PIM>Voice Memo>New.**
2. Select the record button with the left menu/soft key to begin recording a memo.The record button has a red circle in the middle.
3. To stop recording, select the stop button with the left menu/soft key. When you are recording, the record button changes to a stop button, with a blue square in the middle.
4. To listen to the recording, select the play button with the left menu/soft key. When you stop recording, the stop button changes to a play button with a blue triangle in the middle.
5. Select the save button with the right soft key. The save button has floppy disk image in the middle.
6. Enter a name for the recorded memo and press **Options**.
7. Select **Save** to save the recorded memo.

NOTE: If you save a voice memo with the same name as an existing one, the new voice memo will record over the old one.

Listening to voice memos

To listen to a voice memo:

1. A list of voice memos appears. Select the voice memo that you want to listen to and select **Play.**
2. Select **Stop** to stop playback.

Viewing information about voice memos

PIM>Voice Memo>Options>Info provides details about a voice memo such as the file name, time and date it was created, file size and time length.

Renaming voice memos

To rename a voice memo.

1. Select the voice memo you want to rename from the list and select **Options**.
2. Select **Rename**.
3. Type in a new name and select **Options**.
4. Select **Save** to rename the voice memo.

Setting voice memos to a ringtone

To set a voice memo as a ringtone:

1. Select the voice memo you want to set as a ringtone and press **Options**.
2. Select **Set to Ringtone**.

Deleting voice memos

To delete a voice memo:

1. Select the voice memo you want to delete and press **Options**.
2. Select **Delete** to delete the selected voice memo or **Delete All** to delete all voice memos.
3. Press **Select** then press **Yes** to delete.

SIM Application Toolkit (STK)

SIM Application Toolkit (STK) technology acts as a bridge between your SIM card and your service provider's network, enabling your service provider to make SIM card updates, send you SMS messages, and offer other services via your SIM card.

Additional Information

FCC Regulation:

This model phone complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user‘s authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This EUT is in compliance with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

European Notice

Products with the CE marking comply with the Radio & Telecommunication Terminal Equipment Directive (1999/5/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) - as amended by Directive 93/68/ECC - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

- 1999/5/EEC Radio & Telecommunication Terminal Equipment Directive (R&TTE) EN 301 511
- Specific Absorption Rate (SAR) Standard: EN 50360, EN 50361
- 73/23/EEC Low Voltage Directive (LVD) Standard: EN 60950:2000
- 89/336/EEC Electromagnetic Compatibility (EMC-Directive) Standard: EN 301489-1/7

The manufacturer cannot be held responsible for modifications made by the user and the consequences thereof, which may alter the conformity of the product with the CE Marking.

RF Exposure Information (SAR)

This model phone meets the government's requirements for exposure to radio waves.

This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 0.654 W/kg and when worn on the body, as described in this user guide, is 0.826 W/kg. (Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of tap://www.fcc.gov/oet/fccid after searching on FCC ID: SNFG01

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1.5 cm from your body when the phone is switched on.

WAP

Wireless Application Protocol (WAP), enables you to browse the web, much like you would on a regular computer. Unlike regular websites, though, sites designed for WAP include only key content, and generally do not include graphics.

WAP access is provided through your service provider. Check with your service provider to see if your service package includes WAP access.

Setting up WAP

Before you begin using WAP, you need to have a WAP subscription and enter correct settings in the phone. Your settings may already be on your SIM card, or your provider may send them to you as an SMS. Check with your service provider for information about WAP settings.

The first step in setting up WAP is to select a profile.

Setting a profile

1. Go to **WAP**> **Profile Setting**. A list of service providers appears.

2. Scroll to the desired service provider and select.

Note: You can select one or more service providers, as long as you have an account with the provider. Different configurations for providers are stored as profile settings. Although you only need one profile to browse using WAP, you may wish to set up different accounts for different purposes (such as secure online banking).

Adding a new profile setting

If a profile does not appear, you may add it by following these steps:

1. Go to **WAP>Profile Setting>Options**.

2. Several setting fields appear:

- Profile
- Homepage
- Gateway IP
- Port Type
- Preferred Service
- GPRS Setting
- CSD Setting
- Linger Time
- Connect Timeout

   Obtain the appropriate information to enter in these fields from the service provider.

3. Save the new profile by selecting **Options>Save**.

Deleting a profile setting

1. Go to **WAP>Profile Setting,** scroll to the profile you would like to delete.

2. Select **Options>Delete**. Enter *Yes* or *No*.

Editing a profile setting

You may need to change the profile settings to establish connection, or you may want to enhance or tailor your WAP connection.

Profile Name	Edit the name of the profile.
Homepage	Enter URL, or web address, of homepage you use when opening the web browser.
Gateway IP	Enter the IP address, as given by your service provider.
Port Type	Enter the port type, as given by your service provider.
Preferred Service	Press the right soft key to choose *GPRS First*, *GPRS*, or *CSD* network types.
GPRS Setting	Select GPRS network type service provider.
CSD	Select CSD network type service provider.

Linger Time	Sets an amount of time of no activity, after which the phone disconnects.
Connect Timeout	Sets a time limit for connection. If the phone does not successfully connect within this time limit, it stops trying to connect.

General Packet Radio Service (GPRS)

GPRS is a type of wireless access network. GPRS is used for MMS and SMS, as well as WAP access. Your phone can have two simultaneous GPRS connections, which means you can send and receive messages and have an ongoing web session at the same time.

Contact your service provider for details about GPRS availability and access.

Homepage

Selecting Homepage opens an internet browser. Browse by manually entering URLs, or web addresses, or by accessing stored bookmarks. To stop browsing, press  . When browsing, you can:

- Add the current address to your bookmarks
- Save a picture from the site
- Send a text message containing the current address (WAP Push)
- Set the current address to be the homepage for the current Profile

Note: "Homepage" is also a term for the start page that opens each time you open you browser. Many service providers offer specialized WAP homepages which offer links to WAP services and other WAP-optimized web pages. Set the start page for your browser in **WAP>Profile Setting>Homepage**. (See *Editing a profile setting* **on page 95**.)

3. Select **Save** to save the settings.

WAP push

WAP Push is a method for sending multimedia content to your phone. If your service provider offers WAP push services, you may use WAP push to receive such content as wallpaper, ringtones, or java games.The message is sent as a WAP-accessible URL, or web address.

WAP setup

The phone must be set to receive WAP push messages. Do this at **WAP>WAP Push>Setting**. To receive WAP Push messages, select **Accept all**. To refuse WAP Push messages, select **Deny all**.

Viewing WAP push messages

- View received WAP Push messages at **WAP>WAP Push>Inbox**.
- To delete a message, press **Select** then **Delete**.